

Datasheet for ABIN7444301
anti-GSTM4 antibody (AA 21-215)

10 Images

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Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | GSTM4 |
| Binding Specificity: | AA 21-215 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GSTM4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

Product Details

| | |
|---------------|--|
| Purpose: | Polyclonal Antibody to Glutathione S Transferase Mu 4 (GSTm4) |
| Immunogen: | Recombinant Glutathione S Transferase Mu 4 (GSTm4) corresponding to Leu21~Trp215 |
| Isotype: | IgG |
| Specificity: | The antibody is a rabbit polyclonal antibody raised against GSTm4. It has been selected for its ability to recognize GSTm4 in immunohistochemical staining and western blotting. |
| Purification: | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |

Target Details

| | |
|---------|-------|
| Target: | GSTM4 |
|---------|-------|

Target Details

Alternative Name: Glutathione S Transferase Mu 4 ([GSTM4 Products](#))

Background: GST-M4, GSTM4-4, GTM4

Application Details

Application Notes: Western blotting: 0.5-2 µg/mL
1:500-2000 Immunohistochemistry: 5-20 µg/mL
1:50-200 Immunocytochemistry: 5-20 µg/mL
1:50-200 Optimal working dilutions must be determined by end user.

Comment: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.

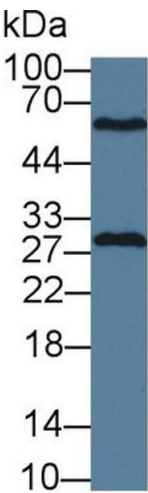
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

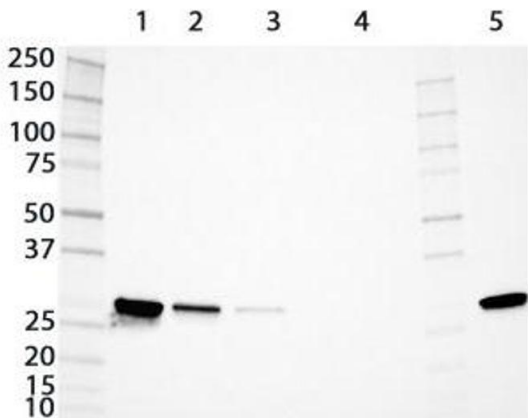
Expiry Date: 24 months



Western Blotting

Image 1. Detection of GSTm4 in Rat Cerebrum lysate using Polyclonal Antibody to Glutathione S Transferase Mu 4 (GSTm4)

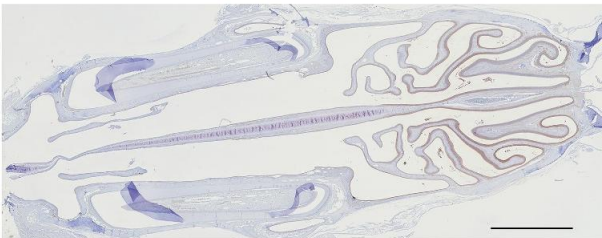
B



Western Blotting

Image 2. Expression analysis of rat GSTs of the mu and alpha classes.(A) Western blot analysis of rat GST expression using antibodies against GSTM1, (B) GSTM4 and (C) GSTA1. The different blots include two fractions of the supernatant of the OE lysate (extract S1 for lane 1 and extract S2 for lane 2, all panels), the pellet of the OE lysate (extract C for lane 3, all panels), the nasal mucus (lane 4) and the purified recombinant rat GSTM2 (100 ng) (lane 5, panel A and B) or the purified recombinant human GSTA1 (100 ng) (lane 5, panel A). The molecular weight markers are indicated on the left of the gels in kDa. - figure provided by CiteAb. Source: PMID31339957

B



Immunohistochemistry

Image 3. Immunohistochemistry analysis of the expression of the mu and alpha class GSTs.Histological expression pattern of mu class GSTs using anti-GSTM1 (A), GSTM4 (B) and GSTA1 (C) antibodies. The scale bar is 2300 µm for the three panels. - figure provided by CiteAb. Source: PMID31339957

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN7444301.